Fourth Annual Report

. . ON THE . .

WALTON-ON-THAMES

URBAN DISTRICT.

. . BY . .

E. L. JACOB,
MEDICAL OFFICER OF HEALTH.

1898

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Prepared in accordance with sec. 14 of the Order of the Local Government Board, dated 23rd March, 1891, Regulating the Duties of Medical Officers of Health.

The Drive, Oatlands Park: Printed by J. North.

WALTON-ON-THAMES URBAN DISTRICT.

AREA	- -	6860 acres.	
NUMBER OF INHABITED HOUSES	at census 1881	-	1225
	at census 1891	-	1547
POPULATION -	at census 1881	-	6,572
	at census 1891	-	7,988

Report of the Medical Officer of Health with regard to the Year 1898.

I.—Statistics for the year: (Births and Deaths.)

1. Assuming that the population of the district has increased at the same rate since the census 1891 as it did during the preceding decade, it may be estimated at 9,000 persons in the middle of the year.

2. The number of Births registered in the district during the year was 233, (as against 215 in the preceding year) which represents an Annual Birth-Rate of 25.9 per 1000 of the estimated population.

3. The number of Deaths registered in the district during the the year was 98, to which must be added nine deaths in the Workhouse and County Asylum of persons belonging to the district. Deducting five deaths in the Convalescent Institution of persons not belonging to the district, there remain 102 deaths, (as against 84 in the previous year) which represent an Annual Death-Rate of 11.3 per 1000 of the estimated population. (See also Table A.)

4. The Deaths of Infants under one Year were twenty-four in number, (as against 21 in the preceding year), and were at the rate of 103 per 1000 Births registered.

5. The Deaths from Pulmonary Consumption, (8 in number,) were at the rate of of 0.9 per 1000 of the estimated population.

6. The Deaths from other Lung Diseases (Pleurisy, Pneumonia, and Bronchitis) were twenty-one in number, as against 13 in the preceding year, and were at the rate of 2.3 per 1000 of the population. (See also the following Table.)

Table, showing certain Death-rates, and the Annual Birth-rate, of the District, for each of the years 1891 to 1898, and also the average of those rates for the ten years, 1881-90.

Years	Annual Birth-rate per 1000 of the population	Deaths from all causes	Deaths of Children under 1 year	Deaths from Consumption	Deaths from other Lung Diseases
		Annual rate per 1000 living	Per centage to Registered Births	Rate per 1000 living	Rate per 1000 living
1898	25·9	11·3	10·3	0·9	2·3
1897	24·4	9·5	9·7	1·1	1·5
1896	22·7	9·3	6·7	1·2	1·7
1895	24·0	13·5	9·2	0·8	3·5
1894	25·3	13·6	6·5	0·6	2.7
1893	25·0	10·5	16·5	1·1	2·6
1892	25·5	13·6	11·1	1·1	2·8
1891	28·0	14·6	9·0	1·2	3·0
Average of 10 yrs 1881-1890.	28·3	12·8	8·0	1·1	2·0

II.—Summary of Sickness and Mortality during the year from the Seven Principal Zymotic Diseases, and from certain other diseases to which the Infectious Diseases (Notification) Act, 1889, applies, & of the action taken for preventing their spread.

1. *Smallpox.* No case of this disease was reported.

2. *Measles* was very prevalent in the Walton & Hersham Wards and caused eight deaths.

3. *Whooping Cough* caused no death.

4. Of *Scarlet Fever* (otherwise called *Scarlatina*) seven cases were notified in five houses, viz: at two houses in the Hersham Ward; in one at Oatlands, and in two at Walton. Three of the sick were removed to the Joint Isolation Hospital. None of the cases ended fatally. (See also Table B at the end of the Report.)

5. Of *Diphtheria*, there was one case at Walton in June and one (which was probably an "imported case,") was notified in August at Hersham. Both of the patients were removed to the Isolation Hospital. Neither of the cases ended fatally.

6. Of *Enteric* (otherwise called *Typhoid) Fever*, three cases were notified, the principal features of which are shown in the following Table—

Situation of Premises	Persons attacked.	Dates of attack	Water supply from	Probable source of infection.	Remarks
Esher Lane, Hersham	Man, aged 27	March 23rd	West Surrey Company	Uncertain	Worked at Greenwich for the previous five weeks; came home ill March 26th, but had also spent Sundays at home in mean time.
Crutchfield Lane, Walton	Boy, aged 11	July 11th	Ditto	Ditto	Yard drainage defective, was removed to hospital March 30th.
Near Walton Station	Boy, aged 7	October 23rd	Ditto	Ditto	A somewhat doubtful case. The result of the "Widal test" did not confirm the diagnosis.

7. *Diarrhoea* caused nine deaths, eight of which were among infants.

The total number of *deaths* from these seven principal zymotic diseases was seventeen, which represents an *Annual Zymotic Death-rate* of 1.9 per 1000 of the estimated population.

As regards the other Infectious Diseases to which the above-mentioned Act applies:—Five cases of *Erysipelas* were notified in five houses, and a parishioner died in the workhouse from this disease.

Of *Puerperal Fever*, *Continued Fever*, and *Membranous Croup*, no cases were notified.

The following further *action* was taken for preventing the spread of some of these diseases:—The houses infected with Scarlet Fever, Diphtheria, Erysipelas, or Typhoid Fever, were visited and were supplied, in some instances, with disinfectants for daily use during illness; isolation of the sick was incalculated, and was assisted by the removal of 6 of them to the Hospital; a sanitary inspection of the premises was made, and all nuisances and defects, that were discovered, were remedied as far as was practicable; the well-water when suspected, was analysed; and after the removal, or recovery, of the sick, the infected rooms and their contents were cleansed and disinfected, in most cases after service of notice by the Inspector. Infected articles were removed from 9 houses, and were disinfected by steam at the Hospital.

The number of persons who were admitted into the Isolation Hospital from each constituent district during the year, with the nature of their illness, is shown in the following table:—

Diseases	Chertsey Urban	Chertsey Rural	Weybridge Urban	Walton Urban	Total in 1898	Total 1897	Total 1896	Total 1895	Total 1894	Total 1893	Total 1892	Total 1891	Total 1890	Total 1889	Total 1888	Total 1887	Total 1886	Total 1885	Total 1884	Total 1883	Total 1882
Scarlet Fever	1	8	11	3	23	36	66	46	84	117	10	26	35	12	9	29	29	14	42	32	59
Diphtheria	17	2		2	21	23	26	31	28	15	46	14	5	7	2	5		3	1	1	6
Typhoid Fever	7	1		1	9	4	1		1	1						2	5	2	1	1	2
Measles															1						
Small Pox										1	1										

III.—Summary of other Proceedings which were taken during the year under the Sanitary Acts.

1. As to *Works of Sewerage* and *Sewage-disposal.* Early in the year the Council accepted a tender for the execution of the proposed comprehensive Works of Sewerage in the Hersham Ward, and in certain portions of the Walton Ward, and for treating the sewage on the land, forming part of North Weylands Farm, which they had acquired for that purpose. And good progress has since been made with the work.

2. The *removal* of *house refuse* and the *cleansing* of *tub-closets*, *privies*, and *cesspools*, was undertaken by the Council, as in previous years.

3. The question of making bye-laws under sec. 9 of the Housing of the Working Classes Act, 1885, for promoting cleanliness in, and the habitable condition of, tents, vans, sheds, and similar structures, and for the prevention of nuisances in connection with the same, &c., was considered, but no action was taken.

4. As to *water-supply.*

Chemical and bacteriological examinations of the Water supplied to the District by the West Surrey Water Company were made periodically, and a satisfactory report was received on each occasion.

During the year, samples of water, from wells at the under-mentioned places, were analysed, for the District Council, by Mr. W. Power, F. I. C., with the results shown in the following table.—

Places	Number of samples found good	Number of samples found suspicious or doubtful	Number of samples found to be unfit for domestic use	Total number analysed	Number of premises at which the wells were abandoned and water taken from the mains of the Company	Other action taken
Hersham Ward			2	2	1	
Walton Ward	1	1	9	11	17	One well was cleaned out and repaired.
Oatlands Ward						

5. A *systematic inspection* of cottages at Hersham, Walton, and Oatlands was again made, with the result that various nuisances arising from defects of the privies, of the drains, and of the dwellings, were dwelt with as far as was practicable, in compliances with notices from the Council. Some defects of drainage were found, which can only be effectually remedied by the provision of the proposed sewers.

6. As to the *Dairies,' Cowsheds,'* and *Milk-Shops' Orders.*

The Inspector informs me that the premises of the registered Cowkeepers and purveyors of milk were inspected, and that one application to be registered was received during the year.

7. As to the *Slaughter-houses.* The Inspector informs me that the Slaughter-houses were inspected and that no application was made for a license to erect or occupy a building for use as a Slaughter-house.

8. As to the *Bye-laws relating to new streets and buildings.*

The Surveyor informs me that—

The Number of plans of new-buildings, and of additions to buildings, which were submitted for approval, under the bye-laws, during the year, was . . 75

The Number of plans of new streets, ditto, ditto, was . . . 2

9. The Surveyor informs me that the number of roads which were metalled, paved, and otherwise made up during the year, under the *Private Streets Works Act*, 1892, was none, as against two in each of the three preceding years, and eight in 1895.

17, Spencer Park,
Wandsworth Common, S. W.
January, 1899.

E. L. JACOB.

(A) *TABLE of* DEATHS *during the Year 1898 in the Walton-on-Thames Urban District, classified according to* Diseases, Ages, *and* Localities.

Names of Localities adopted for the purpose of these Statistics; public institutions being shown as separate localities. (*Columns for Population & Births are in Table B.*)	Mortality from all causes, at subjoined Ages: At all ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards		Mortality from subjoined causes, distinguishing Deaths of Children under Five Years of Age: 1 Smallpox	2 Scarlatina	3 Diphtheria	4 Membranous Croup	5 Fevers: Typhus	6 Fevers: Enteric or Typhoid	7 Fevers: Continued	8 Fevers: Relapsing	9 Fevers: Puerperal	10 Cholera	11 Erysipelas	12 Measles	13 Whooping Cough	14 Diarrhœa and Dysentery	15 Rheumatic Fever	16 Phthisis	17 Bronchitis, Pneumonia & Pleurisy	18 Heart Diseases	19 Injuries	20 All Other Diseases	21 Total
Walton Convalescent Institution	5					5		Under 5																					
								5 upwds																1	1	1		2	5
Rest of District	93	23	15	3		28	24	Under 5												7		8		1	6	1		15	38
								5 upwds												1		1	1	7	11	8	4	22	55
Totals	98	23	15	3		33	24	Under 5												7		8		1	6	1		15	38
								5 upwds												1		1	1	8	12	9	4	24	60

The subjoined numbers have also to be taken into account, in judging of the above records of mortality.

Deaths occurring outside the district among persons belonging thereto.	9	1				1	7	Under 5																	1				1
								5 upwds											1						3		1	3	8
Deaths occurring within the district among persons not belonging thereto.	5					5		Under 5																					
								5upwds																1	1	1		2	5

(B) *TABLE of* POPULATION, BIRTHS, and of NEW CASES of INFECTIOUS SICKNESS, *coming to the knowledge of the Medical Officer of Health, during the year 1898, in the Walton-on-Thames Urban District; classified according to* Diseases, Ages, *and* Localities.

Names of Localities adopted for the purpose of these Statistics, Public Institutions being shown as separate localities.	Population at all Ages: Census 1891.	Estimated to middle of 1898.	Registered Births	Aged under 5 or over 5	New Cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health: 1 Smallpox	2 Scarlatina	3 Diphtheria	4 Membranous Croup	5 Fevers: Typhus	6 Fevers: Enteric or Typhoid	7 Fevers: Continued	8 Fevers: Relapsing	9 Fevers: Puerperal	10 Cholera	11 Erysipelas	Number of such Cases Removed from their Homes in the several Localities for Treatment in Isolation Hospital: 1 Smallpox	2 Scarlatina	3 Diphtheria	4 Membranous Croup	5 Fevers: Typhus	6 Fevers: Enteric or Typhoid	7 Fevers: Continued	8 Fevers: Relapsing	9 Fevers: Puerperal	10 Cholera	11 Erysipelas
Hersham Ward				Under 5		1																					
				5 upwds		2	1			1					2		1	1			1						
Oatlands Ward				Under 5																							
				5 upwds		2									1		2										
Walton Ward				Under 5																							
				5 upwds		2	1			2					2			1									
Totals	7,988	9,000	233	Under 5		1																					
				5 upwds		6	2			3					5		3	2			1						

Walton-upon-Thames,

Urban District Council.

SANITARY INSPECTOR'S ANNUAL REPORT

FOR THE YEAR 1898.

HARRY HERBERT, Assoc. San. Inst.
Sanitary Inspector.

. . TO THE . .

Urban District Council of Walton-upon-Thames.

Gentlemen,

I beg to submit the following Summary of the Sanitary Work carried out in your District during the Year ending December 31st, 1898.

No. of Inspections during the year.	915
Premises where Nuisances were detected. ...	242
Preliminary Notices served to abate Nuisances. ...	185
Statutory Notices served to abate Nuisances. ...	77
Premises reported to Council under Sec. 36, P H Act. as being without "sufficient" water closets or ash pits.	84
Notices served under Sec. 36 P H Act, 1875. ...	84
Premises in respect to which Notices have been complied with.	193
Premises where work is in progress. ...	35
Notices still pending at end of year. ...	14

Table showing Details of Sanitary Work carried out during the Year.

No. of Houses cleaned, repaired, or white washed. ...	38
Sink wastes disconnected from drains. ...	28
New water closets built to existing houses. ...	6
Urinals provided, cleansed or repaired. ...	8
Sanitary dust bins provided.	67
Accumulations of manure removed. ...	12
Removals of animals improperly kept. ...	2
Manure pits provided or repaired. ...	12
House drains repaired, cleansed, trapped, or relaid.	31
Water closets provided with new pans. ...	49
Water closets provided with proper flushing apparatus.	53
Privies converted into tub closets. ...	18
Spouts and gutterings fixed.	30
Damp-proof courses inserted.	2
Drains cut off from public watercourses ...	2
Stables repaved	6
Additional cesspools provided	10
Cesspools repaired or provided with new covers ...	13
Drains connected to Public Sewers. ...	5
Cases of overcrowding abolished ...	2

Infectious Disease :—

All cases of Infectious Diseases occurring during the year were visited by your Sanitary Inspector who reported on the several cases to the Medical Officer of Health who personally visited most of the cases. Disinfectants were supplied in most cases and on removal of the patients to the Isolation Hospital, or upon their recovery if treated at their homes, the infected articles of clothing and bedding were removed to the Isolation Hospital and disinfected by steam. The infected rooms were disinfected and in Nine cases the walls were stripped and the ceilings whitewashed after Notice served by your Inspector upon the recommendation and Certificate of the Medical Officer of Health.

Water Supply :—

As directed by the Council your Inspector took samples of water from various Wells in the district and submitted the same to Mr. W. Power, F. I. C. for analysis.

	Walton Ward.	Hersham Ward.
No. of samples taken and analysed.	11	2
samples found to be "unfit for domestic use."	9	2
samples found to be "of fairly suitable quality."	1	
samples found to be "suspicious."	1	
houses supplied with water from the mains of the Company.	17	1
wells cleansed and repaired.		1

During the year, negotiations have been opened between the Council and the West Surrey Water Company regarding the extension of the mains along Broad Lane, Hersham, and to Eastonville and Apps Court, Walton. By the close of the year the mains had been laid along Broad Lane and it is hoped that the mains will at an early date be extended to Eastonville and Apps Court in the Walton Ward.

Scavenging and Cleansing Department.

The work of emptying cesspools, removal and cleansing of tub-closets, and the removal of house-refuse has again been carried out by the Council. The work is carried out under the snpervision of your Inspector of Nuisances, and the staff employed consists of a Sanitary Foreman with 14 Men and 7 Horses.

Cesspools :—

The work of emptying cesspools in the Walton and Hersham Wards is daily becoming more difficult by reason of the extension of building operations in all parts of the district, rendering it necessary to cart the night soil a greater distance before a suitable site can be obtained where it can be deposited.

Tub Closets :—

There are about 200 Tub-Closets in the Walton and Hersham Wards. The tubs have during the past year been collected twice a week (with a few exceptions).

The tubs are removed to the Council's Depôt in Broad Lane where the contents are mixed with ashes and sold to a neighbouring farmer at a nominal price, the farmer removing the refuse as required.

The Tubs when removed from the houses are replaced by others which have been cleansed and washed out with Milk of Lime. In consequence of a complaint made to the Council as to a nuisance said to be caused by the depositing of the contents of tub-closets at the Depôt in Broad Lane, your Inspector submitted to the Sanitary Committee (in October) a detailed report of the method of dealing with the contents of tub-closets by the "Acidulated Peat Moss System" as recently adopted by the Leatherhead Urban Council.

Your Inspector visited Leatherhead where he was shown the detailed working of the system by the Surveyor to that Council (Mr. Harding) and their Sanitary Foreman, to whom your Inspector is much indebted for their courtesy and information. The Sanitary Committee having considered your Inspector's report did not see their way to advise the Council to adopt the Peat Moss System in this district, in view of the approaching completion of the new sewerage scheme for Walton and Hersham. Your Inspector was instructed to obviate the nuisance as far as possible by the use of Lime or other Chemical Disinfectants and by more frequent removal of the refuse.

These instructions have been carried out and no further complaints have been received.

House Refuse :—

The collection and removal of House-refuse has been rendered more difficult towards the end of the year by the circumstance of the owner of a gravel pit, where most of the dust collected in the Walton Ward was formerly deposited, declining to allow the Council to deposit any more house-refuse therein. This necessitated the removal of the refuse to a greater distance than formerly, with a consequent diminution in the number of loads removed per diem.

In addition to the difficulties above mentioned, with which the cleansing department has had to deal, the work has also been increased by the addition of 86 new houses, which have come into occupation during the year. Of these houses, 76 are in the "unsewered" portions of the district, (with cesspools,) and 10 are in the "sewered" districts.

The following Table shows the Amount of Work done by the Scavenging and Cleansing Department during the Year.

1898	No. of Loads of House Refuse removed.	No. of Cesspools emptied.	No. of Loads removed from cesspools.	No. of Loads of Sanitary Tubs removed.	No. of Tubs emptied and cleansed.
1st. Quarter	534	784	1808	230	4600
2nd. ,,	520	717	1714	240	4800
3rd. ,,	455	656	1683	247	4940
4th. ,,	454	734	1750	243	4860
TOTALS.	1963	2891	6955	960	19200

I am, Gentlemen,

Your obedient Servant,

HARRY HERBERT, Assoc. San. Inst.

Inspector of Nuisances.